9/25/2018

Supplier Name	McMaster- Carr Supply	\$21.36 McMaster- Carr Supply	\$96.43 McMaster- Carr Supply Co,	\$6.10 McMaster- Carr Supply Co,	\$11.30 McMaster- Carr Supply Co,	McMaster- Carr Supply Co,	McMaster- Carr Supply	\$423.79 McMaster- Carr Supply	\$74.32 McMaster- Carr Supply Co,
Total	\$75.40 N	521.36 N	896.43 M	\$6.10 N	N.11.30	\$38.04 N	\$72.22 N	23.79 X	N C S C
	9		6		69	69	- · · ·	847	9
Aging Past Days Due	0	0	0	0	0	0	0	0	0
hit Ag		ø	TO TO						
Price/Unit	\$ 3.77 / Ea	\$ 3.56 / pcs	9/25/2018 \$ 96.43 / Ea	9/25/2018 \$ 0.06 / Ea	\$ 0.23 / Ea	\$ 6.34 / Ea	\$ 6.02 / ft	\$ 195.30 / ft	\$ 24.77 / ft
Receive Date	9/25/2018	9/25/2018		9/25/2018	9/25/2018	9/25/2018 \$ 6.34 / Ea	9/25/2018	9/25/2018	9/25/2018 \$ 24.77 / ft
Status	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock	Stock
Container No	S113446	S113453	S113451	S113448	S113463	S113458	S113456	S113467	S113468
Received Accounting Container Quantity Job No No		1	17						
Received A	20	φ		100	20	· ·	12	2	m
Due Date	20 9/26/2018								
Order Qty	20	9	-	100	50	9	12	2	8
Por Project Equipment Order No									
Project									
Part No									
Description	Steel Spring Plunger 3/8""-16 x 5/8"" Long receive ea	Plastic Handle 1/4""-20 x 1/2"" Depth x 3-7/8"" Long	Dial Indicator with Certificate o" to 1.000"" Range X 0.001"" Increments receive ea	Steel Phillips Flat Head Screw #10-32 x 3/8"" Long receive ea	Steel RoundHead Screw 1/4-28 x 1-1/2"" Long receive ea	SS Knurled- Head Thumb Screw 6-32 Thread Size x 1/2"" Long	Extension Spring, SS, 20" Long x 0.25" OD x 0.02" Dia.	Bearing Bronze Rod 2.250""	Brass C360 Round Bar 1.000***: MATERIAL:C360 BRASS ASTM B16
Purchased Item	3126A149	57455K710	8662A61		90276A563	93585A015	9665K57 E	.250	C360-R1.000   1   NT-BRASS-   E   E   E   E   E   E   E   E   E
Terms	2% 10 Net 30					<i>3</i> ,	U)	۷	20
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Supplier Item No	MCM001-								
PO No	P0041115 MCM001-								

<u></u>	7	T-L	Γ
Supplier Name	S110.07 McMaster- Carr Supply Co,	\$49.10 McMaster- Carr Supply Co.	
Total	\$110.07	\$49.10	\$978.13
Past Due			
Aging Days	0	0	
Price/Unit	Stock 9/25/2018 \$ 36.69 / ft	Stock 9/25/2018 \$ 0.10 / Ea	
Receive Date	9/25/2018	9/25/2018	
Status	Stock	Stock	
Container	S113469	S113449	
Received Accounting Container Status Receive Price/Unit Aging Past Quantity Job No No Date Date			
Received Quantity	n	500	703
Due Date			
Order		900	703
Equipment ID			Total:
Project			
For Part No			ı
Description Part Project Equipment Order Due No No	Brass C360 Round Bar 1.250"": MATERIAL:C360 BRASS ASTM 816	Sealing Blind Rivet	
Purchased Item	MT-BRASS- C360-R1.250	97524A032	
Terms			
n No	10	=	
Line No	~		
PO No Supplier Item No			
PO No			

Print

9/25/2018

Plex 9/25/2018 12:43 PM dart. Tollis. Andrew



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

Tel (613) 632-5200

### **PURCHASE ORDER** PO041115

Supplier:

Ship To:

MCM001-VU

McMaster-Carr Supply Co,

P.O. Box 7690

Chicago, IL 60680-7690 USA

Phone: 330 995 5500 Fax: 330 995 9600

1270 Aberdeen Street

Phone: 613-632-5200

Hawkesbury

K6A 1K7 Canada

ON

Revision: **Revision Date:** 

PO No:

PO Date:

Due Date:

**Ship-To Contact:** 

**Purchase Order** 

Lavoie, ChantalPhone: clavoie@dartaero.com

Via:

Ground

PO041115

9/24/18

9/26/18

**Pymt Terms:** 

2% 10 Net 30

Freight Terms: **Special Comments:** 

Line			Supplier				Due	Order	Received		Unit	Extended
Item	Job	Part	Part No	Description	Status	Account	Date	Quantity	Quantity	Balance	Price (USD)	Price
(1)	,	3126A149	3126A92 1/pk	Steel Spring Plunger 3/8"-16 x 5/8" Long receive ea	Firmed	- 20)	9/26/18	20 Ea SEP 2 5	0 Ea 2018	20 Ea	\$3.77/Ea	\$75.40
(2)		57455K710	1/pk	Plastic Handle 1/4"-20 x 1/2" Depth x 3-7/8" Long	Firmed		9/26/18 SEP 2 !		0 pcs	6 pcs	\$3.56/pcs	\$21.36
3)		8662A61		Dial Indicator with Certificate 0" to 1.000" Range X 0.001" Increments receive ea	Firmed		9/26/18 SEP 2 5	1 Ea 5 2018	0 Ea	1 Ea	\$96.43/Ea	\$96.43
1)		90273A827		Steel Phillips Flat Head Screw #10-32 x 3/8" Long receive ea	Firmed		9/26/18 EP 2 5	100 Ea 2018 10	0 Ea	100 Ea	\$0.061/Ea	\$6.10
5)		90276A563		Steel RoundHead Screw 1/4-28 x 1-1/2" Long receive ea	Firmed	SEP 2	9/26/18	50 Ea	0 Ea	50 Ea	\$0.226/Ea	\$11.30
6		93585A015		SS Knurled- Head Thumb Screw 6-32 Thread Size x 1/2" Long	Firmed		9/26/18 SEP 2 !	6 Ea	0 Ea	6 Ea	\$6.34/Ea	\$38.04
7. As		9665K57		Extension Spring, SS, 20" Long x 0.25" OD x 0.02" Dia.	Firmed	- 11	9/26/18 SEP	12 ft 2 5 2018	Oft	12 ft	\$6.0182407/ft	\$72.22



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

### **PURCHASE ORDER** PO041115

Tel (613) 632-5200

					Ite	ns						
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
8		MBRASSR2.250	8932K54 6.5 inch <sup>*</sup> long	Bearing Bronze Rod 2.250"	Firmed	an a	9/26/18 SEP	2.167 ft 2 5 2018	0 ft	2 ft	\$195.29629/ft	\$423.21
ine Item Note	4 pc	s of 6.5" = 2.1666	6 ft				,					
9		MT-BRASS- C360-R1.000	8953K98 3ft	Brass C360 Round Bar 1.000" : MATERIAL:C360 BRASS ASTM B16	Firmed	-	9/26/18	3 ft	0 ft 3 I t	3 ft	\$24.7733/ft M 18/0°	
(10)		MT-BRASS- C360-R1.250	3ft	Brass C360 Round Bar 1.250" : MATERIAL:C360 BRASS ASTM B16	Firmed	-	9/26/18	3 ft	3 ft 0 ft	3 ft	\$36.69/ft AT 18/09	
(11)		97524A032		Sealing Blind Rivet	Firmed	500	9/26/18 S	500 Ea	(	500 Ea	\$0.0982/Ea	\$49.10
							/		10	,	Grand Total:	\$977.55

#### **Order Notes**

**Procurement Quality Clauses** 

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/24/18 11:44 AM dart.lavoie.chantal



## Packing List

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Purchase Order PO041115

Page 1 of 1 09/24/2018

Order Placed By Chantal Lavoie

McMaster-Carr Number 1619001-01

		/			
Line	)	Product		Ordered	Shipped
1	3126A149	Slotted Long-Nose Steel Spring Plunger, Zinc-Plated, Force, without Locker	3/8"-16 Thread, 4.5 & 18.5 lb.	20 Each	20
(2)	57455K71	Plastic Tapered Handle, High-Temperature, with 1/4"-2	20 Size 1/2" Deep Thread, 3-7/8"	6 Each	6
3	8662A61	Combination Dial Plunger-Style Variance Indicator with Measuring Range	n NIST Certificate & 0" to 1"	1 Each	1 🗸
4	90273A827	Steel Phillips Flat Head Screw, 82 Degree Countersink Long, Packs of 100	k Angle, 10-32 Thread Size, 3/8"	1 Pack	1/
5	90 <b>27</b> 6A563	Steel Decorative Round Head Slotted Screws, 1/4"-28 50	Thread Size, 1-1/2" Long, Packs of	1 Pack	1
6	93585A015	Stainless Steel High-Profile Knurled-Head Thumb Scre	ew, 6-32 Thread Size, 1/2" Long	6 Each	6
7	9665K57	Corrosion-Resistant Extension Spring Stock, 20" Long Sold In 20" Lengths. Sending 8 Pieces To Meet Your		8 Each	8
8	8932K54	Oil-Filled 841 Bearing Bronze Rod, 2-1/4" Diameter, 6- Sending 4 Pieces To Meet Yo Ur Need For 2FT	-1/2" Long, Sold In 6-1/2" Pieces.	4 Each	4
(11)		Sealing Blind Rivets, Aluminum, Domed Head, with Alu 0.425" Long, Packs of 100	uminum Mandrel, 1/8" Diameter,	5 Packs	5



200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada

# Packing List

Purchase Order P0041115

Order Placed By Chantal Lavoie

McMaster-Carr Number 1619001-02

Page 1 of 1

09/24/2018

Lin	е	Product	Ordered Shipped
9	8953K98	Ultra-Machinable 360 Brass Rod, 1" Diameter, 3 Feet Long	1 Each
10	8953K29	Ultra-Machinable 360 Brass Rod, 1-1/4" Diameter, 3 Feet Long	1 Each

## McMASTER-CARR.

# Ultra-Machinable 360 Brass Rod

\$74.32 Each 8953K98



Material	360 Brass
Cross Section Shape	Round
Construction	Solid
Appearance	Plain
Diameter	1"
Diameter Tolerance Range	-0.003" to 0.003"
Tolerance Rating	Standard
Yield Strength	15,000 psi
Fabrication	Cold Worked
Temper	H02
Temper Rating	1/2 Hard
Hardness	Rockwell B25 (Soft)
Heat Treatable	No
Specifications Met	ASTM B16)
Density	0.307 lbs./cu. in.
Surface Resistivity	39.9 Ohms
Melting Point Temperature	1630° F
Modulus of Elasticity	14.0 ksi × 10 <sup>3</sup>
Thermal Conductivity	67 Btu/hrft°F @ 68° F
Elongation	25%
Material Composition	
Copper	60-63%
Iron	0-0.35%
Lead	2.5-3.7%
Silicon	0-0.17%
Zinc	32.95-37.15%
Length Tolerance Range	-0.5" to 0.5"
Length	3 ft.
RoHS	Not Compliant

+30+

With the highest lead content of all the brass alloys, 360 offers the best machinability. Often called free-machining and free-cutting brass, it stands up to high-speed drilling, milling, and tapping operations with minimal wear on your tools. It's commonly used for gears, pinions, and lock components.

APPROVED освоен от ... УМ. 11/11/2017 X 2 2 088 гысствова в та монетах в досеженет ... УМ. 11/11/2017 X 2 2 088 гысствова ... Амонетах в досеженет ... УМ. 11/10/2017 X 2 2 088 гысствова ... УМ. 11/10/2017 X 2 2 088 гысствова ... УМ. 11/10/2017 X 2 088 гысствова ... УМ. 11/10/2017 X 2 088 гысствова ... УМ. 11/10/2017 X 2 088 гысствова ... УМ. 10/10/2017 X 2 088 гысствова ... УМ. 10/10/20 WW BRASS C360 ROUND BAR ВУ MT-BRASS-C360-R MA DART 17.11.22 DATE 17-732 ECN# SCALE: NTS TOLERANCES PER MANUFACTURER SPECIFICATIONS DESCRIPTION NEW ISSUE WHERE D.DDD IS DIAMETER IN INCHES SPECIFICATION CONTROL DRAWING MT-BRASS-C360-R-[D.DDD] MT-BRASS-C360-R-0,250 REV. C360 BRASS ASTM B16 PURCHASE MATERIAL: SPECIFICATION: PART NUMBER: EXAMPLE: 00 ۵ U

#### MATERIAL RECEIPT INSPECTION FORM

MATERIAL: <u>M7-8</u> DATE: <u>/8/09/</u> 3			PO / BATCH	NO.: <u> <i>P00</i> 41</u>	45/5/13468			
MATERIAL CERT REC'D:		THI	CKNESS ORDE	RED: / 200	4			
QUANTITY RECEIVED: 3 f+						CKNESS RECEI		
	202				0110	CRINESS RECEI	VED. <u>7- 000</u>	
QUANTITY INSPECTED: 3 ft					SHE	ET SIZE ORDE	RED:	
QUANTITY REJECTED:					SHE	ET SIZE RECEI	VED:	
DECORPTION	NO							
DESCRIPTION	0.0	eck				COMMEN	rs .	
	Y//							
SURFACE DAMAGE		(0)						
CORRECT FINISH  CORROSION	<b>⊗</b> ×	N (N)						
CORRECT GRAIN DIRECTION	(Y)	N					102235	
CORRECT MATERIAL PER M-DRAWING	8	N	ASTN	1 B16	8			
CORRECT THICKNESS	Ŕ	N	1111	DIW				
PHOTO REQUIRED	Y	(N)	1000					
CORRECT REF # TO LINK CERT	0	Ň	100411	15				
CORRECT MATERIAL IDENTFICATION	(Y)	Ν						
CORRECT M# ON THE MATERIAL	Ø	Ν						
DOES THIS MATERIAL REQUIRE		0						
ENGINEERING SIGN OFF	Υ	(N)						
DOES THIS REQUIRE AN	.	(6)						
EXTRUSION REPORT	Υ	0						
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TYPE OF MATERIAL	[							
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HARDNESS / DUROMETER READIN								
	<u>te</u>	sters	located in	the Qualit	y Offi	ce		
QC 18 INSPECTION						ENGINEER	ING SIGNOF	F (if required)
INSPECTED BY: AT					SIG	NED OFF BY:		
DATE: /8/09/25		DATE:						

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## McMASTER-CARR.

# Ultra-Machinable 360 Brass Rod

\$110.07 Each 8953K29



Material	360 Brass
Cross Section Shape	Round
Construction	Solid
Appearance	Plain
Diameter	1 1/4"
Diameter Tolerance Range	-0.003" to 0.003"
Tolerance Rating	Standard
Yield Strength	15,000 psi
Fabrication	Cold Worked
Temper	H02
Temper Rating	1/2 Hard
Hardness	Rockwell B25 (Soft)
Heat Treatable	No
Specifications Met	ASTM B16
Density	0.307 lbs./cu. in.
Surface Resistivity	39.9 Ohms
Melting Point Temperature	1630° F
Modulus of Elasticity	14.0 ksi × 10 <sup>3</sup>
Thermal Conductivity	67 Btu/hrft°F @ 68° F
Elongation	25%
Material Composition	
Copper	60-63%
Iron	0-0.35%
Lead	2.5-3.7%
Silicon	0-0.17%
Zinc	32.95-37.15%
Length Tolerance Range	-0.5" to 0.5"
Length	3 ft.
RoHS	Not Compliant

+31+

With the highest lead content of all the brass alloys, 360 offers the best machinability. Often called free-machining and free-cutting brass, it stands up to high-speed drilling, milling, and tapping operations with minimal wear on your tools. It's commonly used for gears, pinions, and lock components.

BY APPROVED COBYRIGHT © 2017 BY DARK AEROSPACE LTD

SLOOMEN'S SERVER ON THE THEORY OF THE SERVER ON THE SERVER O WW BRASS C360 ROUND BAR MA 17.11.22 DATE ECN# 17-732 TOLERANCES PER MANUFACTURER SPECIFICATIONS DESCRIPTION NEW ISSUE WHERE D.DDD IS DIAMETER IN INCHES SPECIFICATION CONTROL DRAWING MT-BRASS-C360-R-[D.DDD] MT-BRASS-C360-R-0.250 REV. C360 BRASS PURCHASE MATERIAL: SPECIFICATION: PART NUMBER: EXAMPLE: Ø

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## **MATERIAL RECEIPT INSPECTION FORM**

MATERIAL: <u>M7-</u> DATE: <u>18/09</u>	1,250		PO / BATCH	HNO.: <u>PD041</u>	115/511346		
MATERIAL CERT REC'D:				THIC	KNESS ORDE	RED: /.25	010
QUANTITY RECEIVED: 3\$+							1.25011
QUANTITY INSPECTED: 3ft							1.250
					ET SIZE ORDE	-	
QUANTITY REJECTED:		· · · · · · · · · · · · · · · · · · ·		SHEE	T SIZE RECE	IVED:	
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DESCRIPTION	NCR				001111		
DESCRIPTION	(Check				COMMEN	TS	
01175105 7 111105	Y/N)						
SURFACE DAMAGE  CORRECT FINISH	YW						
CORRECT FINISH	Y (N)						
CORRECT GRAIN DIRECTION	(Y) N			**			
CORRECT MATERIAL PER M-DRAWING	(Y) N	ACTN	B16				
CORRECT THICKNESS	Ø N	813//-1	10/6				
PHOTO REQUIRED	Y (N)		***************************************				
CORRECT REF # TO LINK CERT	(V) N	R004111	5				
CORRECT MATERIAL IDENTFICATION	Ø N						
CORRECT M# ON THE MATERIAL	(Ý) N						
DOES THIS MATERIAL REQUIRE							
ENGINEERING SIGN OFF	YN						
DOES THIS REQUIRE AN							
EXTRUSION REPORT	YN						
CUT SAMPLE PIECE	OF MAT	TERIAL AN	ID DDE	ODN	1 A HADDNE	SS CHECK	
001 0/101 22 1 1202		ORD RESI				SS CHECK.	
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TYPE OF MATERIAL					DOILLY	DOILD	WEBSTER
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QC 18 INSPECTION			NEW YORK BUILDING		ENOWEED		
		THE STATE OF THE S			ENGINEER	ING SIGNOF	F (if required)
INSPECTED BY: AT			9	SIGN	ED OFF BY:		
/#/				SIGIN	LU OIT BY.		
INSPECTED BY: AT DATE: 109/25					DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in